NORTHEAST HOME HEATING OIL RESERVE

DISTRIBUTION PLAN

Reviewed November 2010

Office of Petroleum Reserves
Washington, DC

NORTHEAST HOME HEATING OIL RESERVE DISTRIBUTION PLAN

I. INTRODUCTION

The Northeast Home Heating Oil Reserve has been established by the Department of Energy to provide an emergency supply of heating oil stocks in the event of a winter supply shortage. The Department of Energy has established contracts with two companies for the storage and distribution of its Northeast Home Heating Oil Reserve.
These are:

Company	Terminal	Location
Morgan Stanley	Magellan Terminal	New Haven, CT
Hess Corp	First Reserve Terminal	Perth Amboy, NJ
Hess Corp	Groton Terminal	Groton, CT

Under the Department's storage contracts, the three companies have agreed to:

- provide storage of the Government's heating oil
- provide product rotation and guarantee the quality of the heating oil
- provide full availability of all Government stocks in the event of a release (no portion of the government's heating oil is in minimum operating levels)
- provide the capability to deliver all the Government's product in less than 10 days on a 24 hour notice.
- provide the capability to deliver by marine and truck facilities
- provide distribution to purchasers on a F.O.B. basis (all distribution costs paid)

This Distribution Plan provides a description of the storage terminals, their distribution capabilities, and the storage contractor's and the purchaser's responsibilities and procedures in the sale and distribution of heating oil from the Northeast Home Heating Oil Reserve.

II. MORGAN STANLEY

The Department of Energy's contract with Morgan Stanley provides for the storage and distribution of 750,000 barrels of heating oil from the Magellan Midstream Partners (MMP), LP Terminals in New Haven, CT.

Storage Facilities:

MMP, LP owns and operates four (4) terminals in New Haven, CT.
These facilities are located at:

MMP, LP Terminal	280 Waterfront Street	New Haven, CT
MMP, LP Terminal	134 Forbes Avenue	New Haven, CT
MMP, LP Terminal	85 East Street	New Haven, CT
MMP, LP Terminal	265 Walton Street	Hamden, CT

MMP, LP has a total heating oil storage capacity of approximately 3.1 million barrels in its four facilities in New Haven, CT.

Distribution Facilities:

In the event of a release of the Northeast Home Heating Oil Reserve, the Government's heating oil will be available for sale/distribution from the following three locations: the 280 Waterfront Street terminal, 134 Forbes Ave terminal or the 85 East Street terminal. These three MMP, LP terminals have the following distribution capabilities:

280 Waterfront Street	
Marine	1 Tanker/Barge Dock
Truck	12 Truck Loading Positions
Pipeline	Connection to Buckeye Pipeline (to Hartford/Springfield)
Other Terminals	Connections to Gateway, New Haven and Gulf Terminals

134 Forbes Ave	
Marine	1 Barge Dock
Truck	3 Truck Loading Positions
Pipeline	Connection to Buckeye Pipeline (to Hartford/Springfield)
Other Terminals	Connections to Gateway, New Haven and Gulf Terminals

85 East Street	
Marine	1 Tanker/Barge Dock
Truck	5 Truck Loading Positions
Pipeline	Connection to Buckeye Pipeline (to Hartford/Springfield)
Other Terminals	None

Detailed information on each terminal's distribution facilities, capabilities and operations are provided in the Terminal Data Appendix.

III. HESS CORPORATION

The Department of Energy's contract with Hess Corporation provides for the storage and distribution of 1,250,000 barrels of heating oil from the Hess First Reserve Terminal in Perth Amboy, NJ, and the Hess Groton Terminal in Groton, CT

Storage Facilities:

The Hess First Reserve Terminal is located at Smith Street and Convery Boulevard in Perth Amboy, NJ. The First Reserve Terminal has a total heating oil storage capacity of approximately 3.0 million barrels in its facilities in Perth Amboy, NJ. The Groton Terminal is located at 443 Eastern Point Rd, Groton, CT. The Groton Terminal has a total heating oil storage capacity of 450,000 barrels.

Distribution Facilities:

The Department's contract with Hess provides the flexibility for heating oil distribution from four (4) Hess terminals in the New York Harbor area. Any product delivered from these locations will reduce the Government's book inventory at the First Reserve Terminal.

In the event of a release of the Northeast Home Heating Oil Reserve, the Government's heating oil will be available for sale/distribution from the following five locations:

First Reserve Terminal	Convery Blvd	Perth Amboy, NJ
Port Reading Terminal	Cliff Road	Port Reading, NJ
Bayonne Terminal	420 Hook Road	Bayonne, NJ
Newark Terminal	111 Delancy Street	Newark, NJ
Groton Terminal	443 Eastern Point Rd	Groton, CT

These five Hess terminals have the following distribution capabilities:

Hess First Reserve Terminal

Marine	1 Tanker Dock and 1 Barge Dock
Truck	5 Truck Loading Positions
Pipeline	Connection to Colonial Pipeline
Other Terminals	Connection via Colonial Pipeline

Hess Port Reading Terminal

Marine	2 Tanker Docks and 5 Barge Docks
Truck	4 Truck Loading Positions
Pipeline	Connection to Buckeye Pipeline (New York/Pennsylvania)
Other Terminals	Connection via Colonial Pipeline to other local terminals

Hess Bayonne Terminal

Marine	1 Tanker Dock and 2 Barge Docks
Truck	4 Truck Loading Positions
Pipeline	None
Other Terminals	None

Hess Newark Terminal

Marine	1 Barge Dock
Truck	11Truck Loading Positions
Pipeline	None
Other Terminals	None

Hess Groton Terminal

Marine	1 Tanker Dock and 2 Barge Docks
Truck	6 Truck Loading Positions
Pipeline	None
Other Terminals	None

Detailed information on each terminal's distribution facilities, capabilities and operations are provided in Terminal Data Appendix.

IV. DISTRIBUTION PROCEDURES

The distribution plan for the Northeast Home Heating Oil Reserve is based on maximum use of the commercial terminal infrastructure and industry procedures in place, since the greatest potential for efficient and expeditious distribution of the heating oil stocks rests with the industry performing these functions.

In order to assure the most efficient and expeditious distribution of the heating oil stocks in the event of a winter supply emergency, the following distribution responsibilities and procedures have been established and agreed to by all storage terminals.

DOE Responsibilities:

A. Advance Notifications and Preparations

1. If and when conditions develop for the potential release of the Heating Oil Reserve, the DOE will alert the terminals to a possible release.

2. The DOE will provide notification to terminals, responsible Quality Surveillance Representatives (QSR's) and the Strategic Petroleum Reserve Project Management Office (SPR PMO), of the current situation and request storage terminal to provide current information on inventories, activities and distribution capabilities.

3. The DOE, in consultation with the storage terminals, will maintain a Reserve Capability Statement identifying terminals and inventories available for a sales offering in the event of a release. (DOE will be offering each terminal location as a separate line item in its solicitation.)

B. Sale Process

1. When a Presidential Order is made to release product from the Heating Oil Reserve, the DOE will provide an immediate notification to the terminals.

2. The sales process from Notice of Sale, to evaluation of bids and notification of successful purchasers will occur within 24 to 48 hours of the order.

3. Once awarded, the DOE will provide written notification to storage terminals, responsible QSRs and the SPR PMO of the successful purchaser names, contacts, and volumes awarded (contract delivery subject to prepayment).

4. Heating oil from the reserve will be delivered on a prepaid basis only. The buyer will be required to wire payment to the Government within 48 hours following notification of award, or prior to taking delivery if less than 48 hours. Once payment has been received by the U.S. Treasury, the DOE will provide written notification to storage terminals, responsible QSR's and the SPR PMO of the receipt of payment and approval for distribution to the purchaser.

5. The storage contract guarantees the quality of product to be delivered. DOE will require full spec testing of designated product prior to issue. If the product does not meet specification when presented for out load, DOE will seek redress with the storage contractor per the storage contract.

6. Maintain DOE oversight and information on contract deliveries between the storage terminals and purchasers.
   a. Name of purchaser
   b. Tender number (if assigned)
   c. Name and location of delivery facility offered for loading by the storage contractor
   d. Method and size of delivery, i.e., barge, tanker, truck company, pipeline company, inter or intra terminal delivery
   e. Date and time for delivery
   f. Any other information pertinent to the transaction

C. Completion of Sale

1. Obtain all terminal and QSR documentation of product deliveries by barge, tanker, truck rack, pipeline, etc.

2. Verify with all parties the completion of issue.

3. Arrange for payment adjustments based on the actual quantity delivered with purchaser. Delivery amounts over/under contract amounts beyond 2 percent will be reconciled between the storage contractor and purchaser.

4. Adjust official Heating Oil Reserve inventory records with documented sales and delivered volumes (SPR PMO).

QSR Responsibilities:

1. When notified of a DOE decision to release the heating oil from the Reserve, the QSRs will review the storage contractor's selection of tanks for DOE issue and assess the latest product testing and the need for additional testing.

2. Responsible QSRs will observe all sales/loadings along with the third party inspector to ensure DOE's responsibilities to storage contractors and purchaser are completed.

3. QSRs will provide copies of all third party inspections and documentation of deliveries to DOE within 48 hours

4. Upon completion of each contract, new inventory certification sheets will be completed and signed by the terminal manager with fax copies to DOE PO and the SPR PMO.

Storage Contractor Responsibilities:

A. Sale Preparation

1. When notified by DOE of the potential for a release, the storage contractors shall provide
   (a) information on its terminal facilities and respective inventories available for a sales offering, and
   b) confirmation of current terminal readiness and capabilities to perform as stated in Terminal Data Appendix.

2. Keep DOE informed on a daily basis as to current terminal activities and inventories, as well as scheduled activities which could impact an offering.

3. When notified of a DOE decision to release the heating oil from the Reserve, the storage contractor will immediately select and identify to DOE and QSRs, the specific tanks heating oil will be issued from.

4. A certificate of analysis providing full specification test results on the product in each tank must be provided to DOE within 24 hours following notification.

   Two hours prior to commencing transfer, a preshipment analysis will be submitted to DOE by facsimile providing results on the API gravity, flash point, dye concentration, and color and appearance of the product to be delivered.

5. When delivery commences, the head of each batch will be tested similarly, and a one gallon batch sample shall be collected and retained for 30 days.

B. Scheduling of Deliveries

1. The storage terminal contractors are responsible for establishing mutually acceptable delivery schedules with purchasers. The terminal will respond to the purchaser's request within 12 hours, either confirming or proposing alternative delivery dates.

2. Purchaser scheduling shall be on a first-come first-served basis along with commercial business with the following exceptions:
   - Access to the terminal loading facilities by the purchaser will be given within 48 hours of requested lifting for barges, tank trucks, and pipelines.
   - Access for tankers must be given within 72 hours of requested lifting.
   - All delivery must be completed within the 10-day delivery period.

3. When finalized, the storage contractor shall notify DOE and QSRs of the purchaser's delivery schedules and volumes.

4. Storage contractor shall be liable for all demurrage charges if their facilities are unable to deliver in a normal, timely manner.

C. Inspection and Issue of Product

1. All product issued will meet the quality requirements as specified in the storage contract, to include red dye concentration as required by 26 CFR Part 48.

2. It is DOE's intention to follow standard industry practice of using third party certification of quantity and quality. Third party inspector charges will be borne equally by the purchaser and storage contractor. However, should the purchaser or storage contractor be unable to agree on a third party inspector, both parties will supply their own inspectors with the QSR having final say in the determination.

3. Quantity Measurement Procedures

    a. Barges and Tankers: Loaded quantity will be determined by hand gauge of storage contractors shore tanks before and after loading. If, for some reason, the inspector cannot verify the shore tank quantities, the vessel's loaded volume corrected by vessel experience factor will apply.

    b. Truck Racks: Only pre-certified trucks will be allowed to move across the truck racks. Quantity will be determined by a currently calibrated, temperature compensating meter.

    c. Pipeline Cargoes: Where a temperature compensating meter is available, meter tickets shall be the point of sale. If not, sale shall take place by independent hand gauge of the storage contractors tanks, before and after shipment, by third party inspector.

    d. Terminal to terminal transfers: Quantity shall be determined on the tank down gauge before and after transfer by a certified third party inspector.

4. All terminal loading costs are borne by the storage contractor as specified in the storage contract.

5. All risk of loss will be borne by the storage contractor until product enters the vessels loading arms/hoses, or passes the custody transfer point for pipelines, trucks, inter and intra terminal transfers.

Purchaser Responsibilities:

A. Scheduling of Deliveries

1. Within 24 hours of receiving a contract award, purchasers must notify the storage terminal, QSR, and DOE of their desired delivery modes, volumes and dates of lifting.

2. Vessel procedures: Purchasers must ship in quantities of no less than 50,000 barrels per vessel. All barge and tanker nominations are subject to the storage contractor's approval of the vessel to load at their terminal. In the event of a dispute of loading priorities, contractor will load on a first-come first-served basis. The storage contractor will not be responsible for any demurrage charges unless his deliberate, avoidable, and negligent actions caused the event.

3. Tank truck loading: Purchaser will arrange truck rack availability with the storage contractor. Storage contractor retains the right refuse any trucks not meeting their state and local certifications and requirements. The storage contractor shall not incur demurrage charges due to truck on loading. However, it is recommended that the purchaser pre-certify with the storage contractor all trucking companies prior to arrival.

4. Pipeline cargoes: The purchaser will nominate his pipeline requirements directly to the pipeline carrier (e.g. Buckeye Pipeline Company). Once confirmed, the purchaser shall notify the storage contractor, QSR and DOE immediately as to the carrier's acceptance of delivery and carrier's custody measurement location.

5. Inter or Intra Terminal transfer: Purchaser will coordinate with the storage contractor to receive product at a mutually agreed time. Both will then notify DOE and the QSR of this agreed upon time.

6. Once an agreed upon time for delivery and acceptance has been established it may only be changed with agreement of all parties. However, the new time may not exceed the 10 day delivery period.

7. All personnel attempting to enter a terminal must present a valid Transportation Worker Identification Credential (TWIC Card) prior to entry.

B. Inspection and Receipt

1. The quantity and quality of product delivered shall be determined by an independent third party inspector. Third party inspector charges will be borne equally by the purchaser and storage contractor. The purchaser and storage terminal shall agree on a third party inspector; however, should the purchaser or storage contractor be unable to agree on a third party inspector, both parties will supply their own inspectors with the QSR having final say in the determination.

2. Custody transfer will occur at the vessel loading arms/hoses, or when product passes the custody transfer point for pipelines, trucks, inter and intra terminal transfers. Purchaser will accept all risk of loss at that time.

3. Purchaser's vessels will be allowed berth time according to storage terminal's published rules and procedures. For all hours of berth time used by the vessel in excess of allowable berth time, the purchaser shall be liable for dock demurrage costs.

Definitions/Clarifications:

1. Definitions:
   - "Day of Award" - day of DOE announcement of Successful Purchasers
   - The delivery period will commence 24 hours after "Day of Award"

2. Delivery Period:
   The storage contract specifies that the storage contractor must be able to deliver the entire Government's product from his facility within 10 days. With the possibility of successive partial sales, say 50% each, the Government expects the storage contractor to perform similarly – with delivery of each Government's sales quantity from his facility within a 5-day period.

3. Quality Testing:
   The storage contractor fully guarantees the quality of the product delivered. The quality of the product delivered shall be determined at the loading port by the third party inspector.

4. Third Party Inspectors:
   - Third party inspections will be required for all quantity measurements.
   - The third party inspector should not be affiliated with either the purchaser or the storage terminal.
   - Third party inspectors must be ISO 9002 certified.

5. Mode of delivery will be at the purchaser's option with regard to the storage contractors facilities and other commercial obligations.

6. All parties agree to make all reasonable effort to complete delivery and acceptance in accordance with commercially accepted time and physical restraints. Should a dispute, or a claim for damages arise as a result of delivery and acceptance, the DOE will provide guidance based on the respective contracts governing the storage contractor and the purchaser.

7. Delivery Imbalances:
   - In accordance with New York Mercantile Rules, a loading tolerance of two percent (2%) above and below the contract volume is permitted.
   - Payment adjustments based the contract amount and the actual quantity delivered will be made between the Government and purchaser (up to the 2% volume) at the contract price.
   - Any delivery imbalances beyond the 2% limit will be reconciled between the storage contractor and the purchaser.

TERMINAL DATA

Name:	**MMP, LP**	Terminal Contact:	
Location:	**280 Waterfront/134Forbes**	Manager:	**Dan Stokes**
Waterfront Loc.:	**280 Waterfront**	Tel. No.:	**(203) 466-4427**
Owner:	**MMP, LP**	Fax No.:	**(202) 466-4415**
Operator:	**MMP, LP**	E-mail:	**danny.stokes@magellanlp.com**
Hours of Operation:	**24 hrs/7 days**		

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
T–Dock	**4,000/4,000 ***	**750**	**105**	**35**	**80,000**

*** Note: Max Loading rate with two lines 8000 BPH (4000 BPH each).**

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
T–Dock	**4,000/4,000 ***	**750**	**105**	**35**	**80,000**
134 Forbes	**4,000**	**320**	**60**	**15**	

*** Note: T-Dock can support one vessel at a time either ship or barge. Max Loading rate with two lines 8000 BPH (4000 BPH each).**

Pipelines

Name	Size (in)	Capacity(bbls/hr)	Inject.Rate(bbls/hr)
Buckeye Pipeline	**12**	**4,000**	**3,100**

Truck Loading Racks

Hours of Operation:	**24 hrs/7days**		
Top-loading Positions:	**4**	Max. Loading Rate/Truck:	**600gpm**
Bottom-loading Positions**:**	**11**	Max. Loading Rate/Truck**:**	**1,500gpm ****
		**** Note: Four bays with 2 loading arms**	

Remarks/Restrictions:

1. **Waterfront and Forbes Terminals act as a single unit for inventory and distribution purposes.**
2. **Trucks must meet MMP, LP approval, including, but not limited to, safety and insurance requirements**.

TERMINAL DATA

Name:	**MMP, LP**	Terminal Contact:	
Location:	**85 East/Hamden**	Manager:	**Dan Stokes**
Waterfront Loc.:	**85 East**	Tel. No.:	**(203) 466-4427**
Owner:	**MMP, LP**	Fax No.:	**(202) 466-4415**
Operator:	**MMP, LP**	E-mail:	**danny.stokes@magellanlp.com**
Hours of Operation:	**24 hrs/7 days**		

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
L.O. Dock	**7,000**	**700**	**100**	**34**	**40,000**

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
L.O. Dock	**7,000**	**700**	**100**	**34**	**40,000**

Pipelines

Name	Size (in)	Capacity(bbls/hr)	Inject.Rate (bbls/hr)
Buckeye Pipeline	**12**	**4,000**	**4,000**

Truck Loading Racks

Hours of Operation:	**5 days/12 hrs (24hrs/7days available as required)**		
Top-loading Positions:	**3**	Max. Loading Rate/Truck:	**600gpm**
Bottom-loading Positions:	**2**	Max. Loading Rate/Truck:	**1,600gpm ****
		**** Note: One bay with two loading arms**	

Remarks/Restrictions:

1. **85 East and Hamden Terminals act as a single unit for inventory and distribution purposes.**
2. **Trucks must meet MMP, LP approval, including, but not limited to, safety and insurance requirements**.

TERMINAL DATA

Name: **First Reserve**	Terminal Contact: **Steve Todd**
Location: **Convery Blvd, Perth Amboy, NJ**	Manager: **Steve Todd**
Waterfront Loc.: **Raritan Bay**	Tel. No.: **(732) 750-6066**
Owner: **Hess**	Fax No.: **(732) 826-3248**
Operator: **Hess**	E-mail: **stodd@hess.com**
Hours of Operation: **24 hrs/7 days**	

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
1	**5,000**	**660**		**27**	

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
Ethel's Berth	**5,000**	**300**		**15.5**	

Pipelines

Name	Size(in)	Capacity(bbls/hr)	Inject.Rate(bbls/hr)
Colonial Pipeline	**12**	**4,000**	**6,000**

Truck Loading Racks

Hours of Operation: **24 hrs/7 days**			
Top-loading Positions**:**	**4**	Max. Loading Rate/Truck:	**400gpm**
Bottom-loading Positions:	**1**	Max. Loading Rate/Truck:	**400gpm**

Remarks/Restrictions:

TERMINAL DATA

Name:	**Pt. Reading**	Terminal Contact:	
Location:	**Cliff Rd, Pt. Reading, NJ**	Manager:	**Ted Croiter**
Waterfront Loc.:	**Woodbridge, NJ**	Tel. No.:	**(732) 750-7860/7808**
Owner:	**Hess**	Fax No.:	**(732) 636-3876**
Operator:	**Hess**	E-mail:	**sschoyer@hess.com**
Hours of Operation:	**24 hrs/7 days**		

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
North	**8,000**	**900**		**33**	**100,000**
South	**8,000**	**800**		**33**	**65,000**

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
N. Bulkhead	**4,000**	**350**		**20**	
Foob	**4,000**	**350**		**20**	
Ethel	**4,000**	**325**		**20**	
South Slip	**4,000**	**300**		**18**	
S. Bulkhead	**4,000**	**300**		**12**	

Pipelines

Name	Size (in)	Capacity(bbls/hr)	Inject.Rate(bbls/hr)
Colonial (Outbound)	**12**		**3,500**
Buckeye (Outbound)	**12**	**5,000**	**5,000**

Truck Loading Racks

Hours of Operation:	**24 hrs/7 days**		
Top-loading Positions:	**2**	Max. Loading Rate/Truck:	**300gpm**
Bottom-loading Positions:	**2**	Max. Loading Rate/Truck:	**300gpm**

Remarks/Restrictions:

TERMINAL DATA

Name:	**Bayonne, NJ**	Terminal Contact:	
Location:	**420 Hook Road, Bayonne, NJ**	Manager:	**Ed Theriault**
Waterfront Loc.:	**Kill Van Kull**	Tel. No.:	**(201) 437-1017**
Owner:	**Hess**	Fax No.:	**(201) 437-1098**
Operator:	**Hess**	E-mail:	**stodd@hess.com**
Hours of Operation:	**24 hrs/7 days**		

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
1	**5,000**	**900**		**37**	

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
East	**5,000**	**300**		**20**	
West	**5,000**	**225**		**19**	

Pipelines

Name	Size	Capacity(bbls/hr)	Inject.Rate(bbls/hr)

Truck Loading Racks

Hours of Operation:	**24 hrs/7 days**		
Top-loading Positions**:**	**4**	Max. Loading Rate/Truck:	**600gpm**
Bottom-loading Positions:		Max. Loading Rate/Truck:	

Remarks/Restrictions:

TERMINAL DATA

Name:	**Newark – Delancy St**	Terminal Contact:	
Location:	**111 Delancy St., Newark , NJ**	Manager:	**Matt Paraskevas**
Waterfront Loc.:	**West Bank N Reach of Newark Bay**	Tel. No.:	**(973) 589-0100**
Owner:	**Hess**	Fax No.:	**(973) 589-3473**
Operator:	**Hess**	E-mail:	
Hours of Operation:	**24 hrs/7 days**		

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
1	**6,000**	**450**	**100**	**16' MLW**	

Pipelines

Name	Size	Capacity(bbls/hr)	Inject.Rate(bbls/hr)

Truck Loading Racks

Hours of Operation:	**24 hrs/7 days**		
Top-loading Positions**:**	**7**	Max. Loading Rate/Truck:	**600gpm**
Bottom-loading Positions:	**4**	Max. Loading Rate/Truck:	**600gpm**

Remarks/Restrictions:

TERMINAL DATA

Name: **Groton**	Term Contact: **Mike Malley**
Location: **Groton, Ct.**	Manager: **Mike Malley**
Waterfront Loc.: **443 Eastern Point Rd.**	Tel. No.: **(860) 445-7491**
Owner: **Hess Corp**	Fax No.: **(860) 445-0610**
Operator: **Hess Corp**	E-mail: **mmalley@hess.com**
Hours of Operation: **24 hrs/7 days**	

Delivery Modes:

Tanker Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft (ft)	Max. DWT
1	**14,000**	**900**		**35' MLW**	**100,000**

Barge Docks

Dock #	Max. Loading Rate (bbls/hr)	Max. LOA(ft)	Max. Beam (ft)	Max. Draft(ft)	Max. DWT
East	**8,000**	**350**	**60**	**18' MLW**	
West	**8,000**	**350**	**60**	**20' MLW**	

Pipelines

Name	Size (in)	Capacity(bbls/hr)	Inject. Rate(bbls/hr)

Truck Loading Racks

Hours of Operation: **24 hrs/7 days**	
Top-loading Positions: **4**	Max. Loading Rate/Truck: **500gpm**
Bottom-loading Positions: **2**	Max. Loading Rate/Truck: **600gpm**

Remarks/Restrictions:

* **TShip Berth – Vessel freeboard not to exceed 57' midship for Chicksan Arms Max BCM = 450'. Check with Conn River Pilots for tide deviations.**